

DERWENT-ACC-NO: 1984-021224

DERWENT-WEEK: 198404

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TITLE: Detergent powder mfr. for cloths - using sodium carbonate of specified particle size and apparent density to improve caking and component sepn. resistance

PATENT-ASSIGNEE: KAO CORP[KAOS]

PRIORITY-DATA: 1982JP-0097094 (June 7, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 58213099 A	December 10, 1983	N/A	009	N/A
JP 94004872 B2	January 19, 1994	N/A	009	C11D 003/10

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 58213099A	N/A	1982JP-0097094	June 7, 1982
JP 94004872B2	N/A	1982JP-0097094	June 7, 1982
JP 94004872B2	Based on	JP 58213099	N/A

INT-CL (IPC): C11D003/10, C11D011/02

ABSTRACTED-PUB-NO: JP 58213099A

BASIC-ABSTRACT:

Process comprises mixing 40-5 pts. wt. sodium carbonate having apparent density 0.25-0.7 g/ml, 250-600 microns average particle size, and a particle size distribution consisting of up to 20 wt.% of up to 125 microns fraction, with 60-95 pts. wt. base component of spray dried powder detergent.

Prod. has superior resistant to caking during storage. If heavy or light soda ash is used as in prior industrial detergents, the resistance to caking is similarly improved but sepn. of soda ash from the base compsn. is caused. Use

of the specified sodium carbonate inhibits such sepn. thus ensuring a constant compsn. and stable detergent characteristics.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: DETERGENT POWDER MANUFACTURE CLOTH SODIUM  
CARBONATE SPECIFIED

PARTICLE SIZE APPARENT DENSITY IMPROVE CAKE COMPONENT  
SEPARATE  
RESISTANCE

DERWENT-CLASS: D25 E34

CPI-CODES: D11-A; D11-B04; D11-B11; D11-D03; E33-D;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A111 A940 C106 C108 C530 C730 C801 C802 C803 C805  
C807 M411 M781 M903 M910 Q273 R036

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1287U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1984-009079